

MARTIN RANGER

HD PROFESSIONAL KARAOKE PLAYER
WITH USB AND SD/MMC/MS CARD RECORDABLE
Media format : CDG, VCD, CD, MP3, MP3+G, MP4 and DIVX.
Recording function NO support any DVD disc.

HD-DVD880 USER'S MANUAL



Web-site: www.martinrangertech.com
Location: California USA
Contact : sales@martinrangertech.com



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) .

NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The meaning of the graphic symbols on the back cover as following :



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

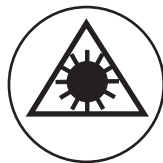


The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING : TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

WARNING:

- Please repack the product, if long time not use it.
- Please put the product in ventilated and cool place.
- The top and rear panels of the DVD Player may become warm after a long time. This is not a malfunction.
- Don't remove the product during it playing, to avoid damage to the lens and disc.
- Don't push the disc tray, when press the Open/Close key on the front panel or remote control.



Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to laser beam

LASER SAFETY

This unit employs an optical laser beam system in the CD mechanism, designed with built-in safeguards. Do not attempt to disassemble, refer to qualified service personnel. Exposure to this invisible laser light beam may be harmful to the human eye.

THIS IS A CLASS-1 LASER PRODUCT. USE OF CONTROLS, OR ADJUSTMENTS OR PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN, MAY RESULT IN HAZARDOUS LASER LIGHT BEAM EXPOSURE.

CAUTION:

To reduce the risk of electric shock, do not remove cover. Refer servicing to qualified service personnel.

Please read the manual carefully before operation. Keep it in a safe place for future reference.

USAGE NOTES OF DVD PLAYER

Please don't put the player in following position. Sun shining or heat radiation place, such as heater, stoves or other appliances that produce heat.

Top of other heat radiation device.

Bad ventilation or dusty, high moisture, unsteady or vibration place or expose the unit to rain or water.

Nearby the high power speaker or on the same stand with speaker, keep it away from shocking to protect its normal work.

Don't play the disc with scratch or bented. creaked to prevent the unit from damage.

USAGE NOTES OF POWER SUPPLY

The power supply required is AC 90-240V 50/60Hz

When not planning to use this unit for long time, disconnect the AC power plug from the outlet.

To prolong its service life, the change over period between switch-on and switch-off, should not be less than ten seconds

DVD PLAYER

1. Full compatible with DVD, SVCD, VCD, MP3 CD-R and CD-RW with high error Correction ability.
2. Read Picture CD to realize digital Picture displaying.

3. 10 bit digital video converter, the resolutions is more than 500 lines.
4. 24bit/96KHz digital audio converter, high quality of sound effect, professional Hi-Fi level.
5. Video component signal output S-video output, composite video output, optical and coaxial output for selection.
6. 8 kinds of language, 32 kinds of caption model can be selected play with various angles.
7. Various of screen selection of TV display and You may select preferred story section to view.
8. Full function intelligent upgrade.
9. Plays and Converts MP3+G.

192KHz/24 Digital/analog (D/A) converter

This latest conversion technology matches software of 96KHz sampling frequency (doubling higher than CD) and 24-bit data, this giving you perfect sound quality without distortion.

DIGITAL AUDIO OUTPUT

The coaxial/fiber optic output enables the user to connect external 6-channel AV amplifier and process or with built-in Dolby digital codes and MPEG or DTS modulating capacity using only one cord, so that you can enjoy different DVD and CD conveniently.

Component video output
component video output (Y, Cr, Cb) enables you to enjoy real DVD effect. It renders pure color signals as they are, and without any video noise.

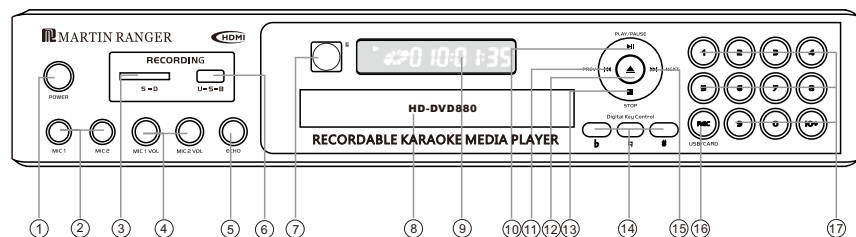
AC-3 decoding
This appliance decodes Dolby AC-3 signal source, and outputs the signal through analog 6 channels.

Laser head over current protecting system

Laser head is the most important and critical part of the whole machine, its performance is directly linked to the whole equipment's service life and error correction function. When a common player reads a scratched disc or a non-standard disc, the laser intensity will be 2-4 times or even 20 times the normal level, thus greatly reducing its service life. This appliance is provided with unique laser head over current protecting system, which can ensure constant laser current and this greatly extend the service life of the laser head.

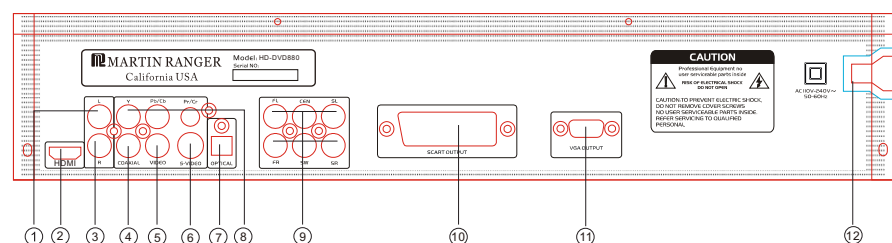
1. Brief instruction of controls

1.1 Front panel function:



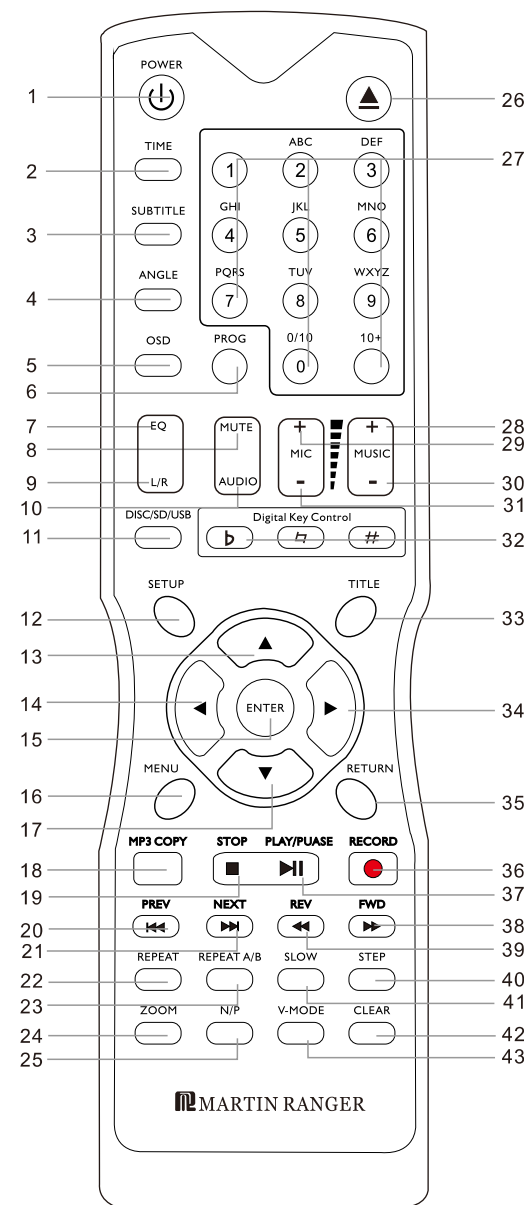
- | | | | |
|-------------|------------------|------------------------|---------------|
| 1)POWER | 6)USB PORT | 11)PREV | 16)USB/CARD |
| 2)MIC IN | 7)REMOTE SENSOR | 12)OPEN/CLOSE | 17)NUMBER KEY |
| 3)CARD PORT | 8)DISC TRAY | 13)STOP | |
| 4)MIC VOL | 9)DISPLAY WINDOW | 14)DIGITAL KEY CONTROL | |
| 5)ECHO VOL | 10)PLAY/PAUSE | 15)NEXT | |

1.2 Back panel function:



- | | | | |
|------------------|------------------|------------------------|-----------------|
| 1)AUDIO L OUTPUT | 4)COAXIAL OUTPUT | 7)OPTICAL OUTPUT | 10)SCART OUTPUT |
| 2)HDMI OUTPUT | 5)VIDEO OUTPUT | 8)Y,Pb/Cb,Pr/Cr OUTPUT | 11)VGA OUTPUT |
| 3)AUDIO R OUTPUT | 6)S-VIDEO OUTPUT | 9)5.1CH OUTPUT | 12)AC INPUT |

1.3 Remote Control



- | | |
|------------------------|----|
| 1.POWER | 26 |
| 2.TIME | 27 |
| 3.SUBTITLE | |
| 4.ANGLE | |
| 5.OSD | |
| 6.PROG | |
| 7.EQ | |
| 8.MUTE | |
| 9.L/R | |
| 10.AUDIO | |
| 11.DISC/SD/USB | |
| 12.SETUP | |
| 13.UP | |
| 14.LEFT | |
| 15.ENTER | |
| 16.MENU | |
| 17.DOWN | |
| 18.Mp3 COPY | |
| 19.STOP | |
| 20.PREV | |
| 21.NEXT | |
| 22.REPEAT | |
| 23.REPEAT A-B | |
| 24.ZOOM | |
| 25.N/P | |
| 26.OPEN/CLOSE | |
| 27.NUMBER KEY | |
| 28.MUSIC + | |
| 29.MIC + | |
| 30.MUSIC - | |
| 31.MIC - | |
| 32.DIGITAL KEY CONTROL | |
| 33.TITLE | |
| 34.RIGHT | |
| 35.RETURN | |
| 36.RECORD | |
| 37.PLAY/PAUSE | |
| 38.FWD | |
| 39.REV | |
| 40.STEP | |
| 41.SLOW | |
| 42.CLEAR | |
| 43.V-MODE | |

2. Preparations

2.1 Accessories

- 1.Remote control(1pc) 2.Audio/Video cable(1set) 3.User's manual(1pc) 4.Battery(1pc)

(check whether be fully accessories after open the box)

2.2 Battery installation of remote control

Place two batteries in the battery compartment. Be sure the polarities are correct.

There should be no large obstacles between the remote control and the main unit.

2.3 System connection

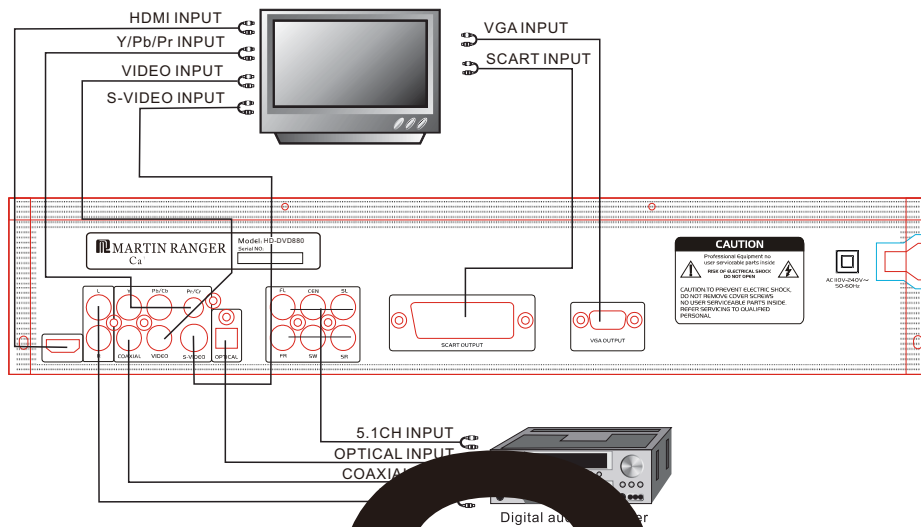
- When making connection between this unit and other components, be sure all connection with power-off.
- Audio/Video cables are connected according to the different color identification and they should be fitted firmly.

Yellow to video terminal

White to audio terminal

Red to audio terminal

- Scheme of connection



2.4 Play mode setting

If you found the picture could not spread all screen or colour, please select Full or auto by pressing N/P key.

DVD disc could support the picture with different proportion in TV mode. Also can

Satisfy the proportion of your discs. Select Normal/Full or mailbox, under the

System setup. Operate as bellow: Press <SETUP> key to get General setup, press <PLAY> key, use

direction key up, down, to select TV mode, then use left, right key to select TV mode, then press

right key to select Normal/Full, Normal/mailbox, screen according to your need, then press<

3. Basic operation

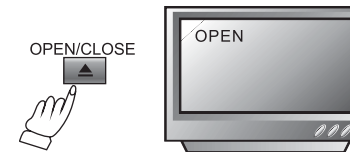
Once all the connection of the system have been done, this machine will be ready for service. Prior to play, make sure to complete the following preparatory operations.

- Switch on TV and select AV mode. If it's S-Video connect select S-Video mode.
- Switch on amplifier if it connected, select AC-3 or DVD mode.
- Plug-in of DVD player.

If there is no disc, NO DISC shown on screen:



Step 1: Press OPEN/CLOSE key, the tray Comes out automatically.

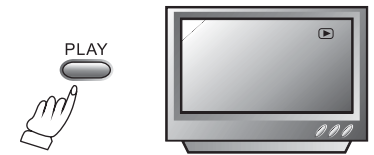


Step 2: Place disc on the tray, press OPEN/CLOSE key to close the tray, the disc will be shown on the up-left corner of the screen as well as shown on VFD screen.

4. Play disc

Once it has loaded disc, the machine will start to play automatically.

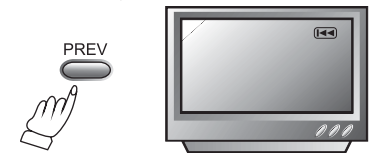
- If it is a DVD, the machine will show the DVD menu on the screen.
- If it is a CD, this machine will be playing in the sequence.



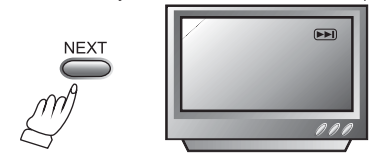
Press PLAY/PAUSE key to pause, resume play, then press it again.



Press PREV key to choose previous item or chapter.



Press NEXT key to choose next item or chapter.



Press F.REV.I key to get 2X, 4X, 20X, normal play circular fast forward function of DVD disc playing.

Press F.REV.I key to get 2X, 4X, 20X, normal play circular fast forward function of other type of disc playing.



Press STOP key to get memory stop of disc playing and press PLAY key to get memory playing. Press STOP key again to stop playing.

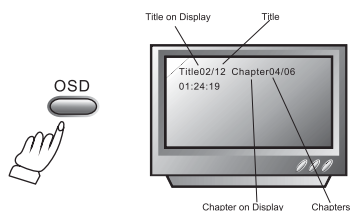


5.Description of function

5.1 Screen display

In the condition of DVD disc playing, press OSD key on the remote controller to get following displays:

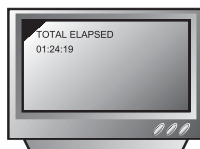
For first time pressing OSD key:



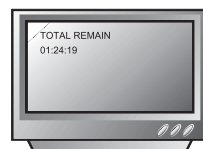
For second time press DISPLAY key:



For third time pressing OSD key:



For fourth time pressing OSD key:



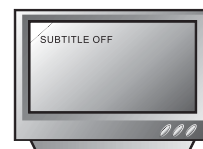
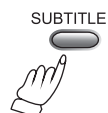
5.2 N/P

Press N/P key one by one to get NTSC, PAL, auto display on the screen. (Please do it in condition of stop.)

5.3 Subtitle

This function may enable you to select multi subtitle languages (as many as 32 kinds and only for the disc with multi subtitle encoded). Press SUBTITLE key to get desired display.

For example, to select language 2 English from 8 options.



5.4 Angle

During athletic match, concert or theatrical program, press ANGLE key continually on remote control to select various angle to view the same image (This operation works only for the disc with multi angle encoded.)



5.5 Audio

There are 8 kinds of language for selection (4 kinds of language for CD).

Press LANGUAGE key to select language (This operation works only for the disc with multi language encoded).

For example, to select language 1 from 2 Language options, sound field effect AC-3, 2 channels, English.



5.6 Title

Press TITLE key to get title menu. (This operation works only for the disc with multi title encoded).

5.7 Menu

Press MENU key to return main menu for DVD disc playing.

5.8 Direction key

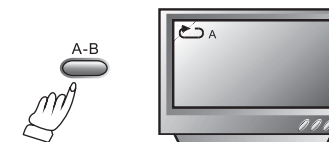
During playing discs, the four direction keys enable you to select at your option in title, menu or setup.

5.9 Number key

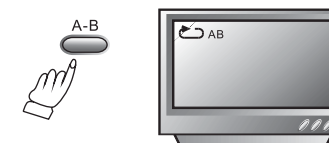
Press relevant number key to play the favorite pictures according to the serious number of the menu.

5.10 AB Repeat

First time pressing A-B key to set initial point (A)



Second time pressing A-B key to set end point (B):



After setting, the program repeats playing from A to B



Third time pressing A-B key to cancel repeat.

5.11 Change the DISC/SD/USB

Use the DISC/SD/USB to select monitoring signals. Follow the operating instructions stated in DISC/USB/CARD in combination with the desired option in the following fig



5.11 Repeat

In the condition of DVD, press REPEAT Key to get following displays:



Chapter repeat on



Title repeat on



Repeat off

5.12 Zoom

The picture may be enlarged by up to 4 times to facilitate you to enjoy a particular action or still picture. Press this button 3 times, the zoom scales will be 2X, 3X, 4X, respectively. Pressing the button once again will return to normal play status.

5.13 Volume and Mute

Press volume <VOL+> key to increase volume,
Press <VOL-> key to reduce volume till to no volume output.

Press MUTE key to get mute, press it again to recover it from mute.

5.14 Program

In the condition of disc playing, press PROG key on remote control to come into program status; Enter the track numbers Desired, 2, 4, 6 and 8, for example, then press the PLAY button to start.

To exit the programmed play mode, simply press the <PROG> key to choose exit to exit . or press 2 times "PLAY" key to Exit.

6. Setting the system

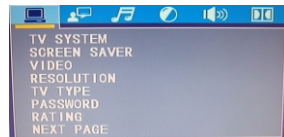
1. DVD menu setting

Press the SETUP button on the remote controller, the SETUP MENU (main) will be displayed. The disc will ask you to enter the password. Simply enter 8888 It is the manufacturer's preset value.

1. After accessing the SETUP Menu, press the direction buttons for up and down movement to select an item desired, then press the PLAY button to confirm your entry and move to the sub-menu. Use the left and right direction buttons to move the pointer, and the up and down direction buttons to select the option desired. Also, press the PLAY button to confirm your selection. Now, setup of this current function is completed.
2. To end the setup, press the SETUP button Again. In the SETUP MENU, you may choose any Of the following options as you like.

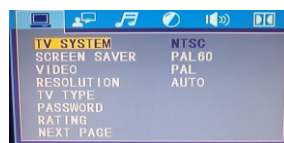
6.1 General Setup

This option is used to setup TV screen format, Video functions and DVD functions, with options of TV SYSTEM SCREEN SAVER HD OUTPUT VIDEO TV TYPE PASSWORD RATING DEFAULT.



6.1.1 TV SYSTEM

Follow the operation instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



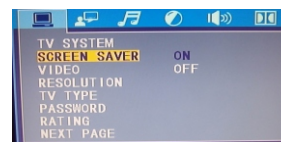
This product supports output of various system, including AUTO, PAL, PAL60, NTSC.

1) If your TV set has only NTSC or PAL system, the screen will blink and become colorless when a wrong system is selected. In this case, press the N/P button on the R.C to return to normal, screen Always remember to select the correct system.

2) For more informations of output format, refer to the instructions or your TV set.

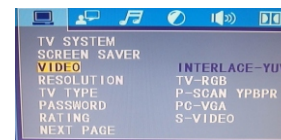
6.1.2 SCREEN SAVER

Select in General setup menu to get Screen protection Setting according to following figure.



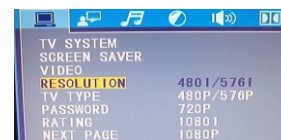
6.1.3 VIDEO

Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



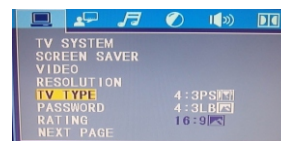
6.1.4 RESOLUTION

Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



6.1.5 TV TYPE

Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.

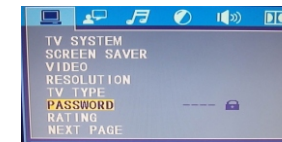


NOTE:

- 1) Irrespective of what screen format you have selected, if your screen displays in 4:3 format, the picture will be shown in that format anyway.
- 2) For DVDs, the screen format is convertible.
- 3) If your screen displays in 4:3 format, when a DVD with 16:9 display format is used, the picture will be flattened.
- 4) The DVD must stop when setting system.

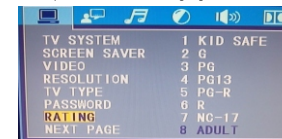
6.1.6 PASSWORD

The default is 8888 The user may change it using this option.
Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



6.1.7 RATING

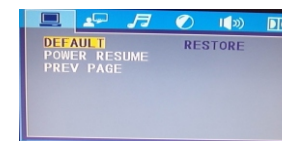
Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



For a film to be restricted for children, the film class may be set according to label marking on the disc.
This function doesn't work when the password setup mode is on.

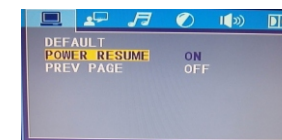
6.1.8 DEFAULT

This option will resume the original settings of this machine.
Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



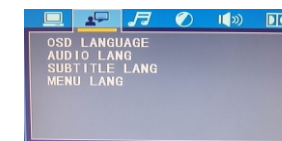
6.1.9 POWER RESUME (LAST MEMORY SETTING)

Last Memory function: if you take the disc out of the DVD player after stopping playback, the last play position is stored in memory. If the next disc you load is the same one, the display shows RESUME and playback will resume.



6.2 PREFERENCE SETUP

PREFERENCE SETUP menu which includes items of OSD LANGUAGE, AUDIO LANG, SUBTITLE LANG, MENU LANG, DIVX[R] VOD.
Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



6.2.1 OSD LANGUAGE

Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



6.2.2 AUDIO LANG

Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



6.2.3 SUBTITLE LANG

Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



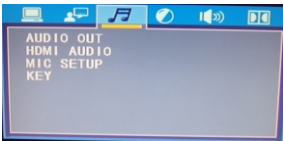
6.2.4 MENU LANG

The user may use this item to set the language of the setup menu and screen display to English. Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



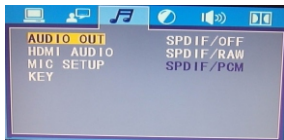
6.3 AUDIO SETUP

Includes AUDIO OUT, MIC SETUP, KEY, ECHO and MIC VOL.



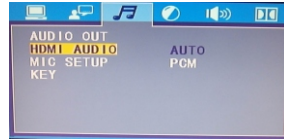
6.3.1 AUDIO OUT

Dolby digital can be output through OPTICAL or COAXIAL in rear panel. Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



6.3.2 HD AUDIO

Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



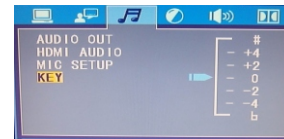
6.3.3 MIC SETUP

Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



6.3.4 KEY

Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



6.4 QUALITY

QUALITY includes: BRIGHTNESS, CONTRAST, HUE, SATURATION and SHARPNESS.



6.4.1 BRIGHTNESS

Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



6.4.2 CONTRAST

Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



6.4.3 HUE

Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



6.4.4 SATURATION

Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



6.4.5 SHARPNESS

Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



6.5 SPEAKER SETUP

This submenu options include DOWNMIX, SUBWOOFER, CENTER DELAY, REAR DELAY, FRONT.



6.5.1 DOWNMIX MODE

Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



This setting is suitable for films. If you only need two channels to enjoy music, it's recommended to select the 2nd option. Where 5.1 theater sound is available, the 4th option is recommended.

6.5.2 SUBWOOFER

The woofer speaker is set to ON or OFF.

Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



6.5.3 CENTER DELAY

Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



6.5.4 REAR DELAY

Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



6.5.5 FRONT

Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



Front speaker is set to LARGE or SMALL.

6.6 DOLBY DIGITAL SETUP

Dolby digital setup includes OP MODE, DYNAMIC RANGE, DUAL MONO.



6.6.1 OP MODE

Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



6.6.2 DYNAMIC RANGE

Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



6.6.3 DUAL MONO

Follow the operating instructions stated in DVD MENU SETUP in combination with the desired option in the following figure.



7. Operation of Functions

7.1 Operation of Rec (Record) Function

* With a compact disk (in CD, CDG, MP3, MP4, MP3+G, DIVX or VCD format) in the disc tray, insert a USB device or SD card and press the REC button on the front panel or RECORD button on the remote Control to start recording. Right before the recording process, the HD-DVD880 will search for the "Mp3" folder. A "MP3" folder will be created if it does not exist in the USD device or SD card. During the recording process, the microphone input will be automatically mixed with the back ground music from the compact disc and be recorded to the USB device or SD card with MP3 format. In the meantime, the percentage (0–100 %) of the recorded portion of a song will be displayed on the TV or monitor screen as shown in Figure A. Below.

* The recorded content will be recorded and numbered consecutively in the "Mp3" folder. Each recorded content is named with the track number on the disk as shown in Figure C. If a repeated track number is used the track number will be followed by an alphabet. For example, if track 5 on one disk is recorded, the recorded content will be named "Track 5". When another track 5 on another disk is recorded, the recorded content will be named "TRACK5A". Next recorded track 5 on another disk will be named "Track5B".

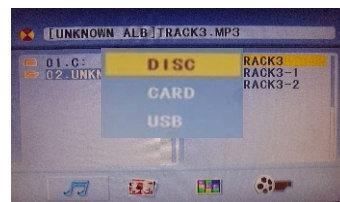
* After the recording is completed, press the DISC/SD/USB button on the remote control to enter the display as shown in Figure B. Select USB OR CARD (SD Card) and press the Enter button on the remote control to enter the play back mode.

* In the playback mode, use the directional buttons (<> ^ ^) on the remote control to go to the "MP3" Folder and press the Enter button to open the "MP3" folder as shown in Figure C. Go to the desired recorded song to start playback. (The order of the recorded songs in the "MP3" folder is based on the times that the songs were recorded.)

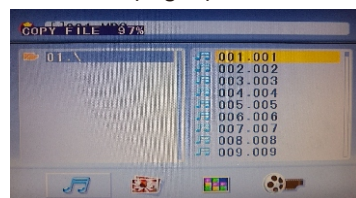
Note: This recording function does not support any DVD disc



(Fig)A



(Fig)B



(Fig)C

7.2 Operation of Ripping Function (From CD OR CDG to USB or SD CARD)

* With a CD or CDG in the disc tray, insert a USB device or SD card and press the MP3 COPY button on the remote control to enter the downloading mode, the TV/Monitor display is as shown in Figure D.

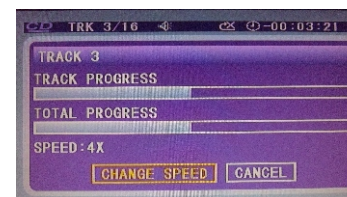
* Use the directional buttons (<> ^ ^) to go to "Tracks" and press the Enter button on the remote control to open the display as shown in Figure E. After selecting the desired track number in Figure E, move the cursor to START and press the Enter button to start downloading as shown in Figure F. Right before the downloading process, the HD-DVD880 will search for the "UNKNOWN ALB" folder. A "UNKNOWN ALB" folder will be created if it does not exist in the USB device or SD card. The song in the CD will be converted to MP3 and the CDG will be converted to MP3 + G, then download to the "UNKNOWN ALB" folder.



(Fig)D



(Fig)E



(Fig)F



(Fig)G

* After the MP3/MP3+G downloading is completed, press the DISC/SD/USB button on the remote control to enter the display as shown in Figure B. Select USB or CARD (SD Card) and press the ENTER button on the remote control to enter the playback mode. In the playback mode, use the directional buttons (<> ^ ^) to go to the "UNKNOWN ALB" folder and press the ENTER button to open the "UNKNOWN ALB" folder as shown in Figure G. Go to the desired song to start playback. (The order of the downloaded songs in the "UNKNOWN ALB" folder is based on the times that the songs were downloaded.)

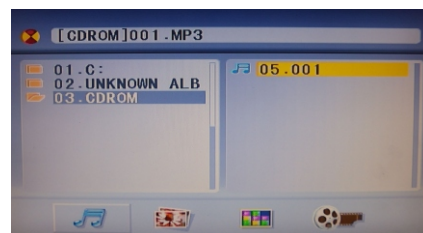
Note: This downloading function supports only CD and CDG discs.

7.3 Operation of Ripping Function from (MP3 to USB or SD Card)

*With a MP3/MP4 (AVI) disc in the disc tray, insert a USB device or SD card and press the MP3 COPY button on the remote control to start the copying. During the copying process, the percentage (0–100 %) of the copied portion of the file will be displayed on the TV or monitor screen as shown in Figure H. Right before the copying process, the HD-DVD880 will search for the “CDROM” folder. A “CDROM” folder will be created if it does not exist in the USB device or SD card. The file in the MP3/MP4 (AVI) disc will be copied to the “CDROM” folder.



(Fig H)



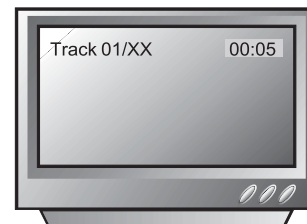
(Fig I)

*After the MP3/MP4 (AVI) copying is completed, press the DISC/SD/USB button on the remote control to enter the display as shown in Figure B. Select USB or Card (SD Card) and press the ENTER button on the remote control to enter the playback mode. In the playback mode, use the directional buttons (< > ^ ^) to go to the “CDROM” folder and press the ENTER button to open the “CDROM” folder as shown in Figure I. Go to the desired file to start playback. (The order of the copied files in the “CDROM Folder is based on the times that the files were copied.)

NOTE: This copying function supports only MP3 and MP4 (AVI) discs.

7.4 OPERATION OF CD FUNCTION

Place a CD disc into the tray, and the player will auto search the directories saved CD file. After searching, it will auto go to the saved CD file and play the first song on the disc (01: is highlighted). The screen displays as the picture below.



7.5 OPERATION OF Mp3 FUNCTION

MP3 is an audio compression mode using Level 3 of the international standard MPEG, whereby sound signal is compressed in a rate of 12:1. A MP3 disc can record music for play of over 600 minutes or record over 170 songs, rivaling CDs in sound quality.

To play a mp3 disc

Files Menu of MP3 play

When playing a MP3 disc, 2 files menus can be Selected by pressing PROG key: File list, Folder.

1.FILE LIST

It may select the files to be played by pressing UP DOWN arrow key combining With ENTER key, or using number keys and ENTER key to select directly. If the number Input is out of the music number, CURRENT TRACK NUMBER will display on screen.

2.Folder

Display menu first then press up down, left right arrow and ENTER key to select subdirectory and music.

7.6 OPERATION OF JPEG FUNCTION

JPEG adopting the most efficient compression is widely used as picture storage type flattened and stored format. Even if picture are compressed 15-20 times. they still have good effect. Supported by most picture processing software, fit for picture storage, it has small date and easy use. This machine can read. JPEG-format-made picture CD disc.

Press relevant number key to select picture display.

1. Put in disc correctly, the machine begins to search disc information.
2. Press number key to select picture.
3. It is efficient only in present picture when press number key.

Select to play by menu

1. Put in disc, machine searches disc information and main menu displays on screen. Press number key from 1 to select picture. Press play key to make sure.
2. Press direction key to select picture then press play key.
3. In condition of stop. Press direction key to select other pictures.
4. In condition of stop. Select the first line file item on the right. Then press play key, to return to upper menu.

8. TROUBLE SHOOTING GUIDE

For your convenience, we have enlisted some points to help solve problems you might encounter while using DVD player.

NO sound

Make sure the good connection between player and other appliances such as power amplifier or TV.
Make sure the right operation on TV and power amplifier.

NO picture

Make sure the good connection between player and other appliances such as power amplifier or TV.
Make sure TV works on well.

Disc does not play

Make sure the disc is loaded correctly (label side is facing up on the disc tray.)
Make sure the disc is clear.

Remote control does not work.

Move the obstacle between player and remote control away.
Point there control at the remote control sensor.
Check the battery.

Picture dividing

Make sure the disc is clear and no any scratch on it.
For the player is controlled by micro-computer, if encountering problem, switch off the power first, and switch on again in a few second, the player could work well.

9. CARE OF DISCS

Protection

- a. When loading or removing the discs, always hold them by the center and edge.
- b. Do not stick or write anything on the surface. Protect discs against any fingerprint.

Cleaning

Wipe the discs from time to time using a soft cloth. Always wipe from the center toward the edge.

Storage.

- a. Never warp the discs. During non-use periods, store them in their cases, which should be kept vertically. Do not expose discs to high temperature, dampness or extremely low temperature, or else it may cause damage to the discs
- b. Do not expose discs to direct sunlight.

10. Technical Specification

Type	DVD PLAYER
Model	HD-DVD880
Play mode	NTSC/PAL/AUTO
Disc mode	DVD/DVD-R/SVCD/HDCD/VCD/CD/CD-RW/ CD+G/MP3+G
Video characteristic	MPEG4 for DVD,MPEG1 for VCD
Resolution	≥500 lines
Video S/N ratio	≥56dB
Audio characteristic	DVD/DVD-R/SVCD/HDCD/VCD/CD/CD-RW
Frequency response	Fs 96 KHz:20Hz-20KHz:±1dB
Audio S/N ratio	≥90dB
Dynamic range	≥90dB
Distortion	<0.01%
D/A converter	192 KHz/24bit
Output characteristic	RCA.S-video/video/Y,Pb,Pr/SCART output
Video output	1 Vp-p(75 Ω)
S-Video output	Y:1Vp-p(75Ω) C:0.3 Vp-p(75Ω)
Audio output	2.0V ± $\begin{smallmatrix} 0.0V \\ 1.0V \end{smallmatrix}$
Digital audio output	Coaxial optical
AC-3	
Power Voltage	AC 110-240V 50/60Hz
Power consumption	≤25W
Size	430x230x82mm
Weight	2.5KG

Specifications are subject to change without notice.

